

**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**In re Application of:**                   **Prior Group Art Unit: 2871**

**Kazuhiro NISHIYAMA et al.**                   **Prior Examiner: Kenneth A. Parker**

**Serial No.: Rule 1.53(b) Divisional  
of Serial No. 09/450,415  
filed November 30, 1999**

**Filed: September 25, 2003**

**For: LIQUID CRYSTAL ELEMENT AND MANUFACTURING METHOD THEREOF**

**INFORMATION DISCLOSURE STATEMENT**

**Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450**

**Sir:**

**Pursuant to 37 C.F.R. §1.56, the attention of the U.S. Patent and Trademark Office is hereby directed to the references listed on the attached Form PTO-1449.**

**The listed references were cited during prosecution of patent application Serial No. 09/450,415 filed November 30, 1999, and copies of each reference may be found in the USPTO file for the parent application.**

**The above information is presented so that the U.S. Patent and Trademark Office may, in the first instance, determine any materiality thereof to the claimed invention. See 37 C.F.R. §1.104(a) and §1.106(b) concerning the USPTO duty to consider and**

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SN 09/450,415 filed Nov. 30, 1999

use any such information. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that these references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

Respectfully submitted,

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September 25, 2003

Date

RWP/mhs

Attorney Docket No.: OGOH:026A

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FORM PTO 1449 (*modified*)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICELIST OF REFERENCES CITED BY APPLICANT(S)  
(*Use several sheets if necessary*)ATTY DOCKET NO.  
OGOH:026ASERIAL NO.  
R53b Div of SN 09/450,415APPLICANT  
Kazuhiro NISHIYAMA et al.FILING DATE  
September 25, 2003GROUP  
2871

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,229,873	7/1993	Hirose et al.	359	55	10/1991
	5,644,415	07/01/1997	Aoki et al.	349	122	12/1994
	3,981,559	09/21/1976	Channin	350	160	11/1974
	5,717,474	02/10/1998	Sarma	349	85	09/1994
	5,309,264	5/1994	Lien et al.	359	87	04/1992
	3,964,158	06/1976	Janning	29	592	06/1974
	4,232,947	11/1980	Funada et al.	350	341	07/1975
	5,384,650	01/1995	TeKolste et al.	359	77	04/1992
	5,796,459	08/1998	Bryan-Brown et al.	349	132	01/1995

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION NO YES
	3-259121	11/1991	Japan			Abs.
	6-301036	10/1994	Japan			Abs.
	WO 97/39382	10/23/1997	WIPO			X
	WO 98/59275	12/30/1998	WIPO			X
	0 874 264	10/28/1998	EPO			X
	0 289 071	11/02/1988	EPO			X

## OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)


EXAMINER

DATE CONSIDERED